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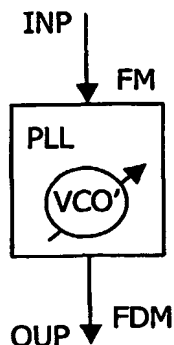
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(54) Title: PHASE LOCKED LOOP DEMODULATOR WITH GAIN CONTROL



(57) Abstract: The invention relates to a demodulator to demodulate frequency-modulated signals FM including a phase locked loop PLL including at least a phase detector, a loop filter and a voltage controlled oscillator function VCO', characterized in that said voltage controlled oscillator function VCO' has modifiable gain. The invention allows to eliminate drawbacks presented by the conventional use of a complex gain modifiable amplifier at the input of demodulated signal processing means. Application: demodulation of modulated signals: wireless phone, home network.

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